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SUBSTITUTE FORM PTO-1449 (MODIFIED)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 07043/015007

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70608 U.S. PTO

PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT use several sheets if necessary)

APPLICANT: M. Allen Northrup et

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U7/24/97 (37 CFR 4.98(b)) FILING DATE: Herewith

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U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL			P#	TEN	IT I	NUME	BER		I SSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BXA	AA	2	1	2	7	1	9	3	8/16/38	Toulmin, Jr.	134	60	
Ĭ	АВ	3	0	2	9	7	4	3	4/17/60	Johns	103_	150	
	AC	4	2	1	9	3	3	5	8/26/80	Ebersole	23	230 в	
	AD	4	5	5	6	4	6	7	12/3/85	Kuhn, et al.	204	193	
	AE	4	5	9	6	6	9	7	6/24/86	Ballato	422	98	
	AF	4	5	9	8	0	4	9	7/1/86	Zelinka, et al.	435	287	
	AG	4	6	0	2	1	8	4	7/22/86	Meitzler	310	322	
	АН	4	6	3	2	8	0	8	12/30/86	Yamamoto, et al.	422	72	
	ΑI	4	6	7	3	6	5	7	6/16/87	Christian	436	501	
	AJ	4	6	7	6	2	7	4	6/30/87	Brown	137	806	
	AK	4	6	8	3	1	9	5	7/28/87	Mullis, et al.	435	6	
	AL	4	6	9	2	6	5	4	9/8/87	Umemura, et al.	310	334	
	АМ	4	7	0	8	9	3	1	11/24/87	Christian	435	7	
	AN	4	7	3	7	4	6	4	4/12/88	McConnell, et al.	436	43	
	AO	4	7	5	9	8	2	8	7/26/88	Young, et al.	204	1 т	
	AP	4	9	0	8	1	1	2	3/13/90	Pace	204	299 R	11444
	AQ	4	9	2	0	0	5	6	4/24/90	Dasgupta	436	50	
	AR	4	9	5	2	2	6	6	8/28/90	Tsuruta, et al.	156	243	
	AS	4	9	6	0	4	8	6	10/02/90	Perkins, et al.	156	633	
	AT	4	9	6	3	4	9	8	10/16/90	Hillman, et al.	436	69	
	AU	5	0	0	0	8	1	7	3/19/91	Aine	156	633	
	AV	5	0	0	3	8	2	2	4/2/91	Joshi	73	204.23	
	AW	5	1	5	3	4	7	6	10/6/92	Kosinski	310	313R	
	АХ				=				5/25/93	White, et al.	73	599	
	AY	5	2	2	0	1	8	9	6/15/93	Higashi, et al.	257	467	
1	AZ	5	2	2	9	2	9	7	7/20/93	Schnipelsky, et al.	436	94	
818	ВА	5	2	5	2	2	9	4	10/12/93	Kroy, et al.	422	102	

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DATE CONSIDERED 1-9.99

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	вс	5 2 9 6 3 7 5	3/22/94	Kricka, et al.		435	291			
	BD	5 3 0 4 4 8 7	4/19/94	Wilding, et al.		435	291			
	ВE	5 3 8 4 0 2 9	1/24/95	Campbell	204	415				
	BF	5 3 8 5 7 0 9	1/31/95	Wise, et al.	422	98				
	BG	5 4 2 7 9 4 6	6/27/95	Kricka et al.		435	291			
	ВН	5 4 8 6 3 3 5	1/23/96	Wilding, et al.		422	55			
BYN	BI	5 4 9 8 3 9 2	3/12/96	Wilding, et al.		422	68.1			
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871	ВЈ	0 347 579 A2	5/16/89	EPO .		B01L	3/00			
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Angell, James B., et al., "Silicon Micromechanical Devices," Scientific American, (April 1983) Vol. 248, No. 4, pp. 44-55

Backman, Keith, "Ligase Chain Reaction: Diagnostic Technology for the 1990s and Beyond," Clinical Chemistry, (1992) Vol. 38, No. 3, pp. 457-458.

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APPLICANT: M. Allen Northrup et al.

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	CA	Esashi, Masayoshi, et al., "Integrated Flow Control Systems Fabricated on a Silicon Wafer," <i>Proceedings</i> , Electrochemical Society Conference, III (18-23 Oct. 1987) Electrochemical Society, Pennington, N.J. pp. 31-38B.									
	СВ	romberz, Peter, et al., "Core-coat conductor of lipid bilayer and micromachined silicon," <i>Biochemica et Biophysica Acta</i> . (1991) Vol. 1062, pp. 103-107.									
	CD	Gibbs, Richard A., "DNA Amplification by the Polymerase Chain Reaction," <i>Analytical Chemistry</i> , (July 1, 1990) Vol. 62, No. 13, pp. 1202-1214.									
	CE	Heller, M. J., et al., "An Efficient Method for Extraction of DNA from Formalin-Fixed, Paraffin-Embedded Tissue by Sonication," <i>BioTechniques</i> , (1991) Research Report, Vol. 11, No. 3, pp. 372-374 and 476-377.									
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	CI	Howe, R.T., et al., "Silicon Micromechanics: sensors and actuators on a chip," <i>IEEE Spectrum</i> , July 1990, pp. 29 35.									
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	CL	Mandenius, Carl Fredrik, et al., "The Interaction of Proteins and Cells with Affinity Ligands Covalently Coupled to Silicon Surfaces as Monitored by Ellipsometry," <i>Analytical Biochemistry</i> , (1984) Vol. 137, pp. 106-114.									
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	CN	Masuda, Senichi, et al., "Novel Method of Cell Fusion in Field Constriction Area in Fluid Integrated Circuit," Proceedings IEEE/IAS Meeting, (1987) pp. 1549-1553.									
	со	Oste, Christian, "Polymerase Chain Reaction," BioTechniques, (1988) Vol. 6, pp. 162-167									
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876	CQ	Pfahler, P., et al., "Liquid Transport in Micron and Submicron Channels," Sensors & Actuators, (1990) pp. 431-434.									
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